Attorney Docket No. 10541-1869

II. Listing of Claims

 (Currently Amended): A heat exchanger comprising an oil cooler section, said oil cooler section comprising:

a first manifold and a second manifold in spaced relationship, and

a plurality of tubes, each said tube defining an oil flow passage and having a first end connected to said first manifold with said oil flow passage in fluid communication therewith and a second end connected to said second manifold with said oil flow passage in fluid communication therewith, each said tube being formed of tube metal with an inner and outer wall and opposing pairs of fins extending from the inner wall at least part way into said oil flow passage, said fins being spaced apart by gaps and said gaps being staggered across the tube wherein each gap is offset relative to an adjacent gap, each said tube having a cross-section characterized by a performance ratio between about 3.9 and 8.5, wherein the performance ratio is a ratio of a wetted perimeter in millimeters divided by a cross-sectional area of the tube metal in square millimeters.

- 2. (Canceled).
- 3. (Currently Amended): The heat exchanger of claim [[2]| 1 wherein the extruded metal tube comprises webs that divide the oil flow passage into multiple discrete flow paths.
 - 4. (Canceled).

Attorney Docket No. 10541-1869

- 5. (Original): The heat exchanger of claim 1 wherein the wetted perimeter is greater than about 100 millimeters.
- 6. (Currently Amended): The heat exchanger of claim 1 [[2]] wherein the outer wall comprises dimples.
 - 7. (Canceled).
 - 8. (Canceled).
- 9. (Original): The heat exchanger of claim 1 wherein the oil cooler section comprises fins interposed between adjacent tubes.
- 10. (Currently Amended): A heat exchanger comprising a first section and a second section for cooling distinct fluids, whereby the second section is adapted for cooling oil, said heat exchanger comprising:
- a first manifold comprising a baffle dividing said first manifold into a first chamber and a second chamber;
- a second manifold in spaced, parallel arrangement to said first manifold and comprising a baffle dividing said second manifold into a first chamber and a second chamber;
- a plurality of tubes connecting the first manifold and the second manifold and defining flow passages in fluid communication with the first chambers, thereby forming said first section of the heat exchanger; and

Attorney Docket No. 10541-1869

a plurality of oil cooling tubes connecting the first manifold and the second manifold and defining fluid passages in connection with the second chambers, thereby forming the second section of the heat exchanger, each said oil cooling tube being formed of tube metal with an inner and outer wall and a plurality of opposing pairs of fins extending from the inner wall at least part way not said oil fluid passages, said fins being spaced apart by gaps and said gaps being staggered across the tube wherein each gap is offset relative to an adjacent gap and said oil cooling tube having a cross-section characterized by a performance ratio between about 3.9 and 8.5, wherein the performance ratio is a ratio of a wetted perimeter in millimeters divided by a cross-sectional area of the tube metal in square millimeters.

- 11. (Original): The heat exchanger of claim 10 wherein the first section is a condenser for cooling refrigerant of an air conditioning system.
 - 12. (Canceled).
- 13. (Currently Amended): The heat exchanger of claim [[12]] 10 wherein the extruded metal tube further comprises webs that divide the oil flow passage into discrete flow paths.
- 14. (Original): The heat exchanger of claim 10 wherein the wetted perimeter is greater than 100 millimeters.

Attorney Docket No. 10541-1869

- (Canceled). 15.
- (Canceled). 16.